

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. An assembly for generating foam, the assembly comprising:
 - a housing defining a chamber with a first orifice and a second orifice;
 - 5 a fan arranged within the housing to draw a flow of air into the chamber through the first orifice and to exhaust the flow of air through the second orifice to form an exhausted flow of air;
 - a nozzle arranged within the chamber and situated in proximity to the second orifice to allow introduction of a fluid into the exhausted flow of air through the second orifice; and
 - 10 a sock, the sock being permeable, having an inner surface and an outer surface, and being arranged to occlude the second orifice in a manner to receive the exhausted flow of air with the fluid at the inner surface.
2. The assembly of Claim 1, further comprising a dam arranged within the chamber to influence the exhausted flow of air in a manner to enhance the introduction of the fluid.
- 15 3. The assembly of Claim 1, wherein the fan is a squirrel cage blower.
4. The assembly of Claim 1, wherein the fluid is a surfactant, such that the exhausted flow of air is received into the sock to generate a foam at the outer surface.
5. The assembly of Claim 1, wherein the housing includes a shield being arranged to prevent the generated foam from flowing into the first orifice.
- 20 6. The assembly of Claim 1, wherein the sock includes a fabric.
7. The assembly of Claim 6, wherein the fabric is a woven textile designed for use in grass clipping devices.



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8. The assembly of Claim 6, wherein the fabric is a felt textile.
9. A sock for generating a foam, the sock comprising:
a clamp defining an orifice, the orifice having a continuous edge; and
a membrane being permeable to a flow of air and having an inner surface and an
5 outer surface, and a periphery, and being attached to the continuous edge.
10. The sock of Claim 9, wherein the membrane includes a textile fabric.
11. The sock of Claim 10, wherein the fabric is a woven textile.
12. The sock of Claim 10, wherein the fabric is a felt textile.
13. The sock of Claim 10, wherein the fabric is an olefin.
- 10 14. The sock of Claim 9, wherein the membrane is configured to receive a flow of air
and an atomized fluid.
15. The sock of Claim 14, wherein the atomized fluid is a surfactant.
16. The sock of Claim 15, wherein the received flow of air and surfactant generates a
foam.
- 15 17. A method for generating a foam, the method comprising:
atomizing a surfactant into a flow of air;
receiving the flow of air and atomized surfactant in a permeable sock.
18. The method of Claim 17, wherein the permeable sock includes a textile fabric.
19. The method of Claim 18, wherein the textile fabric is a woven textile.
- 20 20. The method of Claim 18, wherein the textile fabric is an olefin.




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